BIOZIDE

Competence in Biocides
Solutions for Professionals

GEB-TUR/e 2010

INSTRUCTIONS FOR USE

TURBO-SPRAYER

Biozidprodukte vorsichtig verwenden. Vor Gebrauch stets Etikett und Produktinformation lesen. Pflanzenschutzmittel vorsichtig verwenden. Vor Gebrauch stets Etikett und Produktinformation lesen.
Use biocides safely. Always read the label and product information before use. Use plant protection products safely. Always read the label and product information before use.

Dear customer,

We are glad that you chose an electronic mist blower from our company and we wish you a pleasant work with this extraordinary equipment.

Your new turbo-sprayer gives valuable help for control of pests and for disinfection of larger spaces by misting of liquids (emulsions, suspensions and ready for use solutions).

Please read this instruction before using the equipment!

We do not take any responsibility in case of damages caused by non-observance of the instructions.

General information

We recommend you to execute several test runs with water first to become more familiar with your new turbo-sprayer.

The usage of this equipment is restricted to persons with sufficient knowledge of use and permission.

This equipment is not suitable for lacquers and paints.

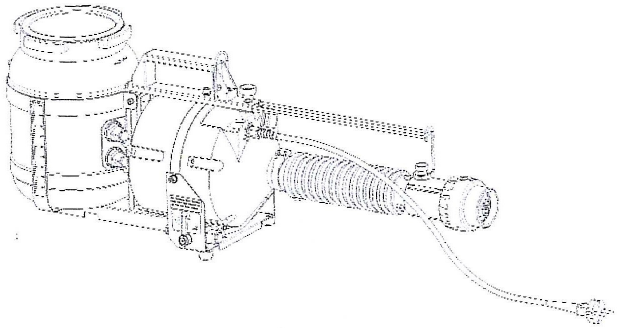
This equipment is hand-operated and must be supervised!!!

CE-approved and GS-approved

CE

WEEE-Reg. No. 91771269

Principle of function



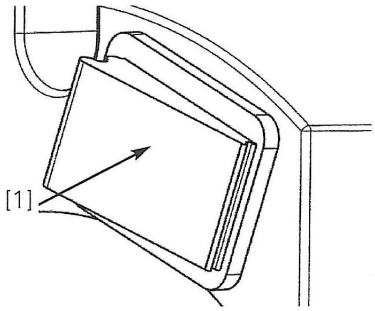
The intake air is blown through a filter into the front part of the turbo-sprayer. An over–pressure is built up in the front cover which is on the one hand carried into the liquid container and on the other hand exhausted by the flexible hose.

The air stream, which is exhausted, atomises the liquid by the nozzle on the handpiece. A separate hose, which is going out of the ball valve, is connected with this nozzle. The ball valve itself is connected with the liquid container.

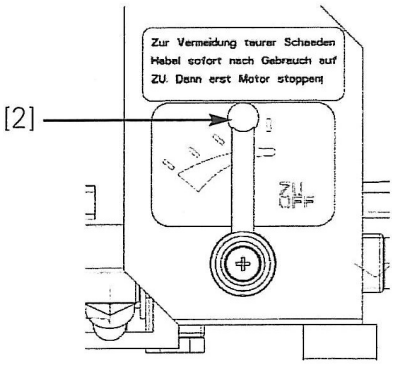
The pressure in the container effects a nearly constant power.

The exhausted particle size can be adjusted by the ball valve and the ring on the handpiece. The particle size lasts from wet surface spray to dry fog (aerosol). The heat of the air stream supports additionally the fine atomisation.

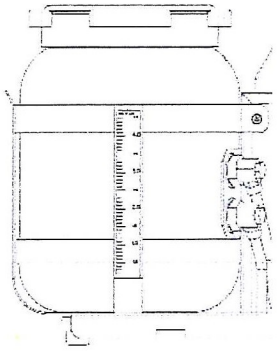
Use



1. Before you connect the plug of the power connection into a plug socket, check that the unit is switched off. For this, the rocker switch (1) on the front of the equipment must be on 0.



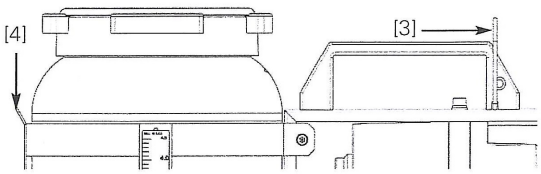
2. Set regulating lever of ball valve (2) at the position „ZU/OFF“.



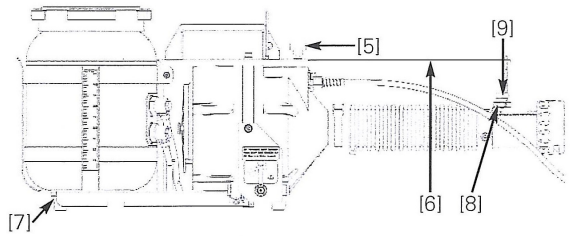
3. Fill liquid container **(max. 6 litres)** and close the container lid tightly. Only then full performance can be achieved.

See safety information:
Page 5 point 6 and 7.

4. Attach device to 230 V and turn the rocker switch (1) of the equipment on 1.

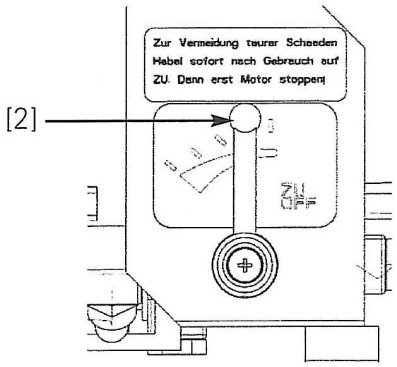


Use the included shoulder strap for **portable** use of the equipment. For this, hook carrying strap to the handle (3) and the strap (4).



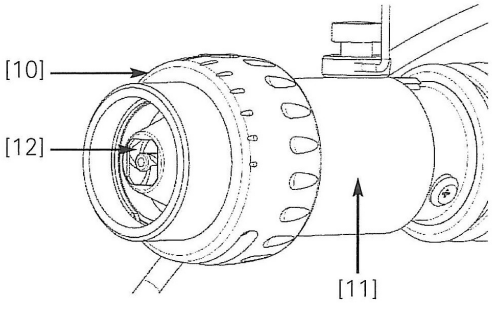
In case of **stationary** use the handpiece must be fixed. Loose the knurled nut (5) in front of the handle. Detach halter buckle (6) (is slided-in the retainer (7)) and slide it under the handle with the knurled nut (5). Loose the knurled nut (9) on the handpiece, place the halter buckle (6) in the keyway of the disk (8) and tighten with the knurled nut (9). Adjust the handpiece in the desired angle by pushing the halter buckle (6) forward or back and fix it by tightening the knurled nut (5).

In case of stationary use the equipment must be supervised!



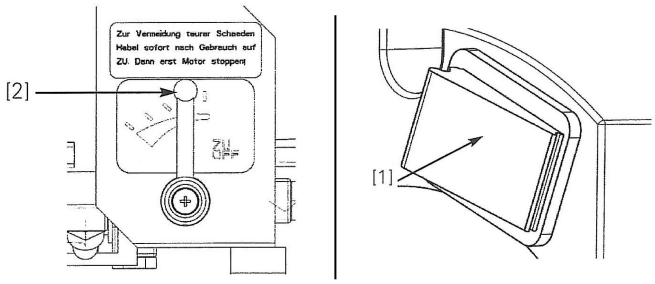
5. The preparation supply is regulated by the ball valve (2). The particle size raises with rising preparation performance.

For example: 1 = small / 3 = medium / 5 = big



6. The power of the air stream, which is exhausted by the nozzle (12) on the handpiece (11), can be adjusted by turning the ring (10). A stronger air flow gives a greater spraying range, and at the same time a smaller droplet size with good suspension properties (space misting).

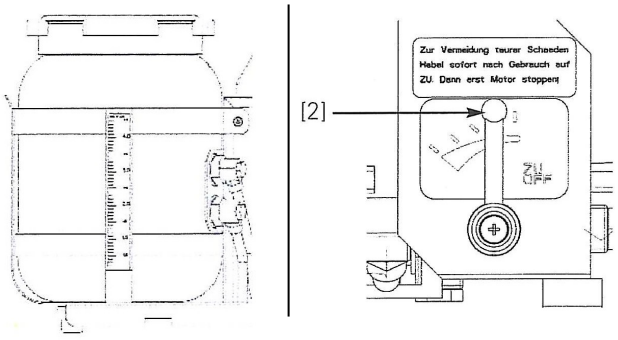
7. According to point 5. and 6. the particle size can be adjusted by the combination of the both setting options. The particle size depends also on the condition of the product (specific weight, viscosity, temperature). During finest atomisation (closed ring (10) and minimum preparation supply) the withdrawing nebula jet is visible only with lateral light and before dark background.



8. After finishing work and during breaks, **the ball valve (2) must be in the position „ZU/OFF“ and the equipment must continue to blow for a short time**, before you switch off the motor by the rocker switch (1).

If the motor is switched off when the ball valve (2) is opened, the remaining tank liquid may run out!!! This is also possible, when the ball valve (2) is not in the position **„ZU/OFF“** when you start work.

Cleaning and maintenance



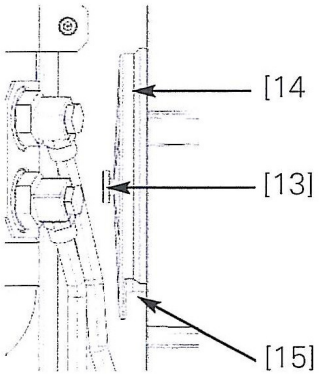
1. With the cleaning and care of the equipment proceed that way:

   After finishing work the liquid container must be **emptied completely**.

   Pour liquid preparation back into the original container.

   After using emulsions and suspensions rinse out the container thoroughly with water and possibly with some cleaning agent. Repeat this process 1 to 2 times. Then let the device spray with closed ring (10) and maximum opened ball valve (2) (until the liquid container is empty).

Change of the filter



1. Turn out both knurled screws (13) for changing the filter and remove the protective cover lid (14). Then take out the filter (15).

   After changing the filter, put on the protective cover lid (14) and tighten both knurled screws (13).

   The protective cover lid must be put up again!

Safety information

1. Consider instructions for use of the products thoroughly. Avoid under or overdosages.
2. Corrosive liquids damage the device and may cause damages in the room or inventory.
3. Never spray on current-carrying objects or conductions.
4. It is recommended to wear a respiratory mask and protective clothing (pay attention to the application information of the preparation manufacturer).
5. Do not spray into flames or in presence of other sources of ignition. If the spray ignites, close the ball valve (2) immediately and stop the engine.
6. This equipment is not suitable for spraying any easily combustible liquids. Above approximately 40 g/m³ there is a danger of explosion. Do not use the appliance for alcoholic disinfectants with more than 10 % alcohol content and flash point under 24 °C (75 °F).
7. The regulation ZH 1/598 (Carl Heymanns Verlag KG, Luxemburger Straße 449 in 50939 Köln) contains further safety notes concerning the application of alcoholic disinfectants.
8. Food is to be protected from spraying mist.
9. Do not plug in the equipment with wet or moist hands.
10. In case of accidental swallowing or inhalation of the atomised liquid, read the safety information of the product manufacturer and act accordingly.

Maintenance and service

The equipment should be examined in applicable intervals on function, degree of dosage of the ball valve (2), leakage and damage of the cable and plug.

Before maintenance work and the replacement of spare parts disconnect the equipment from the power supply system! **Pull the power plug!!**

Maintenance work and repairs on the equipment may only be carried out by professional or trained staff.

For the purpose of repairs please send the equipment to the service address

FROWEIN GMBH & CO. KG
Am Reislebach 83
D-72461 Albstadt
Phone +49 (7432) 9 56-0

The equipment must only be sent with completely emptied container and not disassembled condition!!

You can renew the fleece filter (15) yourself by replacing the old one by a new one.
Article number: **70600001 TUR-Motorfilter**
Packaging: **5 pieces.**

Malfunction

The nozzle does not spray

Possible causes:
The ball valve (2) is at the position „ZU/OFF“.

The nozzle or ball valve (2) is clogged.

Remedy:
Put the ball valve (2) at the desired position.

Clean these parts.

Technical data

The fan generates no air stream

Possible causes:
The power plug is not plugged in.

Rocker switch (1) is not on position 1.

The power supply cord has a cable break.

The thermostatic protection switch of the motor initiated.

Remedy:
Plug in the power plug.

Turn rocker switch (1) on 1.

Replacement of the power supply cord by a specialist.

Switch off the fan with the rocker switch (1) and wait until the thermic overrange protection switches on again (after approx. 30 minutes). If the thermostatic protection switch is initiated again, send the equipment for repair.

Total length	82 cm
Length without spraying nozzle	48 cm
Width	22 cm
Height	30 cm
Weight empty	6,7 kg
Cable length	approx. 5 m
Transport case	made of impact resistant, grey plastic
Power supply line	230 V / 50 Hz
Current consumption in operating condition (915 W)	4 A
Automatic cut-off device by temperature for motor circuit breaker	110 °C
Motor speed	up to 19200 rpm
Air capacity (freely blowing)	approx. 52 l/sec.
Preparation output	0 to 38 l/hour
Spraying range	up to 30 m
Tank capacity	max. 6 l
Residue	approx. 40 ml
Micron size range (depending on preparation)	20 – 400 µm
Degree of protection	IPX4
Protection class	
Plastic recycling